

Speed and precision



Compact, high performance with extensive configuration options

The SCARA GX8 Series combines speed and precision with a 8kg payload. Its compact design and outstanding range of motion means it takes up little space, while maximising the square working area by up to 40 percent.

Compact, speedy and precise

Designed for pinpoint accuracy in very small workspaces.

Extensive configuration options

Available in various arm lengths and mounting options.

Short cycle times

Cycle times can be as low as 0.28 seconds, even during extended use.

Technical specifications

Model name		GX8-A		
Model number		GX8-A45	GX8-A55	GX8-A65
Arm length	Joints #1 + #2 (mm)	450	550	650
Payload*1	Rated (kg)	4		
	Maximum (kg)	8		
Repeatability	Joints #1 + #2 (mm)	+/- 0.015		
	Joint #3 (mm)	+/- 0.010		
	Joint #4 (deg)	+/- 0.005		
Standard cycle time*2	(sec)	0.28	0.30	0.33
Max. operating speed	Joints #1 + #2 (mm/s)	7450	8450	9460
	Joint #3 (mm/s)	2350		
	Joint #4 (deg/s)	2800		
Joint #4 allowable moment of inertia*3	Rated (kg·m ²)	0.01		
	Maximum (kg·m ²)	0.16		
Joint #3 down force	(N)	150		
Installation Environment	S: Standard, C: Cleanroom*4 & ESD*5, P: IP65, E: ESD*5			
Mounting type	□: Table Top, W: Wall, R: Ceiling			
Cable exit direction	□: Rearward (Table Top, Ceiling) / Upward (Wall), B: Downward (Table Top only)			
Weight (cables not included)	(kg) or less	Table top, Ceiling : 33 / Wall : 35	Table top, Ceiling : 34 / Wall : 36	Table top, Ceiling : 35 / Wall : 37
Applicable Controller	RC700-D			
Installed wire for customer use	D-sub 15 pin x1, 9 pin x1, 8 pin (RJ45 Cat5e) x1			
Installed pneumatic tube for customer use	ø4mm x2 , ø6mm x2 : Allowable pressure 0.59 MPa (6 kgf/cm ²)			
Power	(V)	AC200-240 Single phase		
Power Consumption*7	(kVA)	2.2		
Cable length*8	(m)	3 / 5 / 10 / 15 / 20		
Safety standard	CE , UKCA			

*1: Do not apply the load exceeding the maximum payload.

*2: Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) at rated payload setting of table top model boost mode (path coordinates optimised for maximum speed).

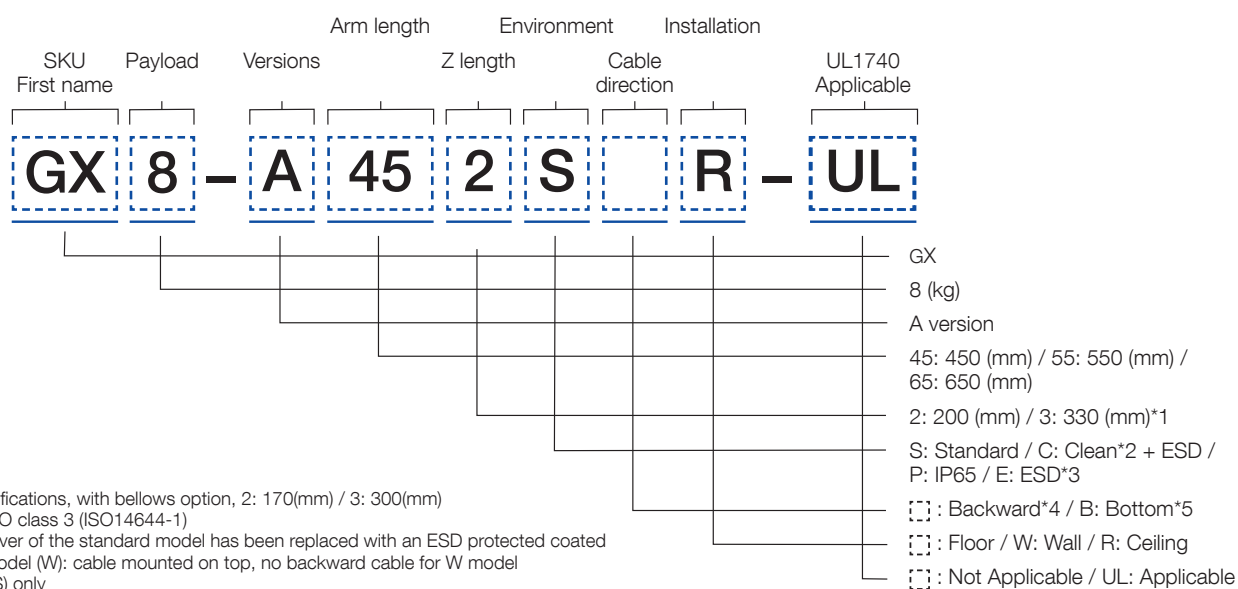
*3: Set the parameters by the Inertia command according to the load and end effector status (refer to the instruction manual for the parameter calculation method).

*4: Complies with ISO Class 3 (ISO14644-1) and Fed-std209D Class 1 (less than 10 0.1 μm particles per 28,317cm³:1cft) cleanroom standards.

*5: Resin covers are plated with electrolytic nickel to prevent static electricity, and the potential difference is ± 5V or less.

*6: Varies according to operating environment and program.

*7: Standard cable (not flexible cable).



*1: C and P specifications, with bellows option, 2: 170(mm) / 3: 300(mm)

*2: Cleanliness ISO class 3 (ISO14644-1)

*3: The plastic cover of the standard model has been replaced with an ESD protected coated

*4: Wall mount model (W): cable mounted on top, no backward cable for W model

*5: Floor model (S) only

Epson EMEAR
 Manufacturing Solutions
 Otto-Hahn-Straße 4
 40670 Meerbusch
 Germany
 E-mail: info.ms@epson.eu
 Phone: +49 2159 538 1700
 www.epson.eu/en/products/robots